

**SYSTEMS AND METHODS FOR DECODING OF PARTIALLY CORRUPTED
REVERSIBLE VARIABLE LENGTH CODE (RVLC) INTRA-CODED
MACROBLOCKS AND PARTIAL BLOCK DECODING OF CORRUPTED
MACROBLOCKS IN A VIDEO DECODER**

Abstract of the Disclosure

The invention is related to methods and apparatus that recover usable video data from partially corrupted data. Embodiments inspect corrupted data packets and identify the location or locations of an error, whether the corrupted data packet contains data expected to be error-free, and whether the error-free data should be used. Decoding of a packet in both the forward direction and the backward direction can be used to locate a position of an error. Intra-coded macroblocks can also be recovered. A decoder can elect to use or to drop an intra-coded macroblock recovered from a corrupted data packet according to further criteria that is applied to the recovered intra-coded macroblock. One embodiment inspects video bitstream data that has been encoded with an optional data partitioning feature enabled, and retrieves specified data in areas of a corrupted packet that are expected to be free from error.